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### Agenda

- Describe how the 2020 SHOPP was developed
- Demonstrate how the 2020 SHOPP is consistent with the Transportation Asset Management Plan (TAMP)
- Describe the fiscal & performance in the 2020 SHOPP
- Provide a tour of an example project listing
- Outline the schedule for the 2020 SHOPP

1/8/2020

### Development of the 2020 SHOPP

- The 2020 SHOPP is the product of a deliberate, performance-focused set of asset management business processes.
- Caltrans districts develop project portfolios to achieve performance targets within fiscal constraints.
- Complete project lists are published quarterly in the SHOPP Ten-Year Project Book.
- The subset of projects comprising the 2020 SHOPP are integral to achieving asset management and SB1 performance outcomes.

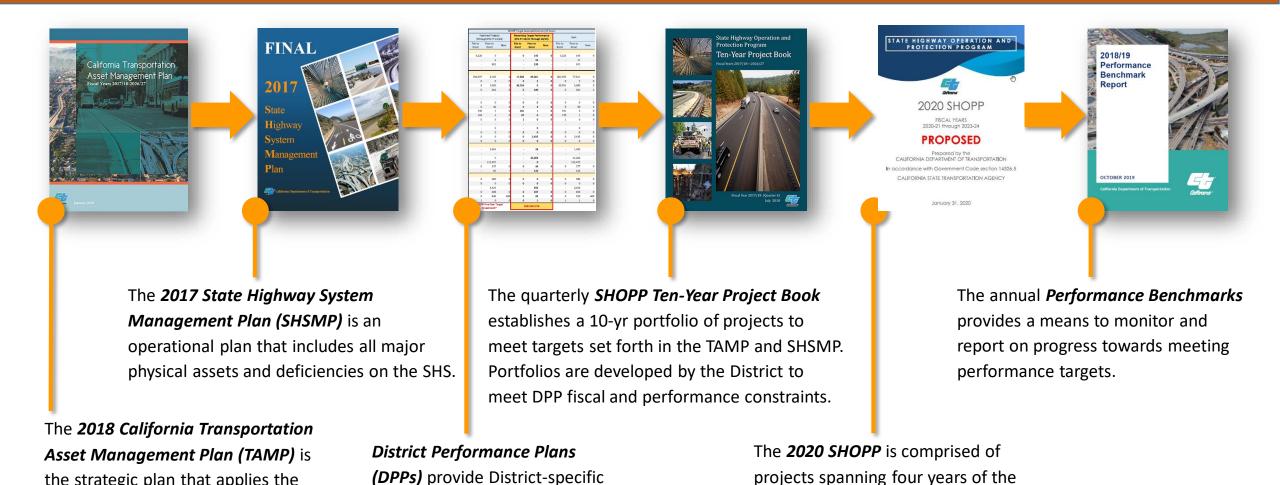
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#### Development of the 2020 SHOPP

the strategic plan that applies the

asset management framework to

both the NHS and SHS.



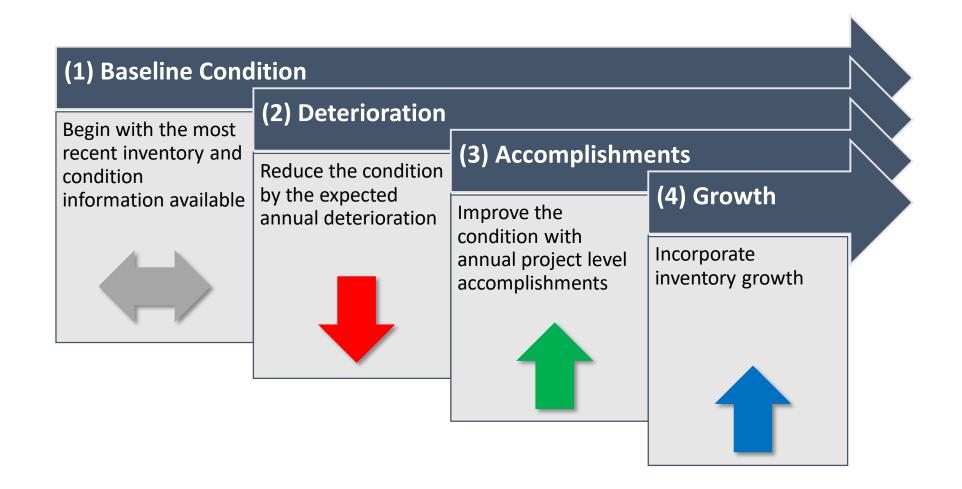
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certified SHOPP Ten-Year Project Book.

performance and funding targets

derived from the SHSMP.

#### Projecting Asset Condition & Needs Across 10-years



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### Closing the Performance Gap

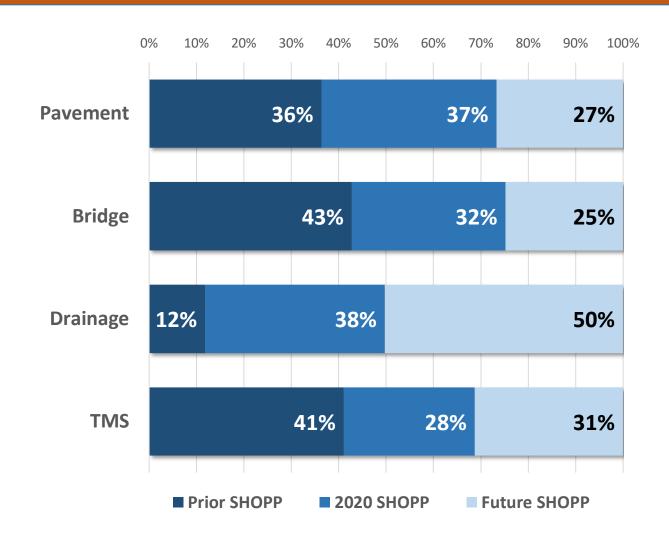
Under the performance management framework, 10-year gaps are determined for each objective, considering current and projected asset condition, targets, and pipeline work.

Performance (or condition improvements) needed to reach targets are achieved through a combination of SHOPP and non-SHOPP program work.

The 4-year portfolio of projects in the 2020 SHOPP is expected to deliver significant performance towards achieving 10-year targets and benchmarks.



# Closing the Performance Gap



The 4-years of 2020 SHOPP will deliver key asset performance, proportional to performance identified in the benchmarks.

Caltrans reports on annual benchmarks (future condition projections) to measure progress made for each of the four primary asset classes towards achieving the 10-year 2027 targets.

#### 2020 SHOPP – Quick Facts

**Total Projects** 

881

**New Projects** 

315

**Carry-Over Projects** 

566

**Total Project Value** 

\$19.6B

Schedule

4 Years

FY 2020/21 - 2023/24

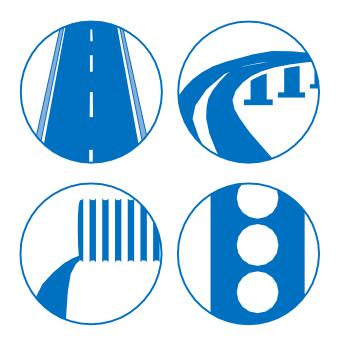
Anchor Objective	Project Cost (\$B)	Percent of SHOPP
Pavement	\$8.9	45.5%
Bridges	\$3.2	16.4%
Culverts	\$0.9	4.7%
TMS	\$1.4	7.4%
Damage Restoration	\$1.0	5.2%
Safety	\$1.5	7.6%
All Others	\$2.6	13.2%
Grand Total	\$19.6	100%

<sup>\*</sup> Total Project Value is comprised of \$14.3B programmed + \$4.9B g13 contingency + \$0.4B future need. This total value excludes the \$1B Minor Program Reservation and \$0.8B New Long Lead PA&ED cost shown in Exhibit 'A' of the draft 2020 SHOPP document

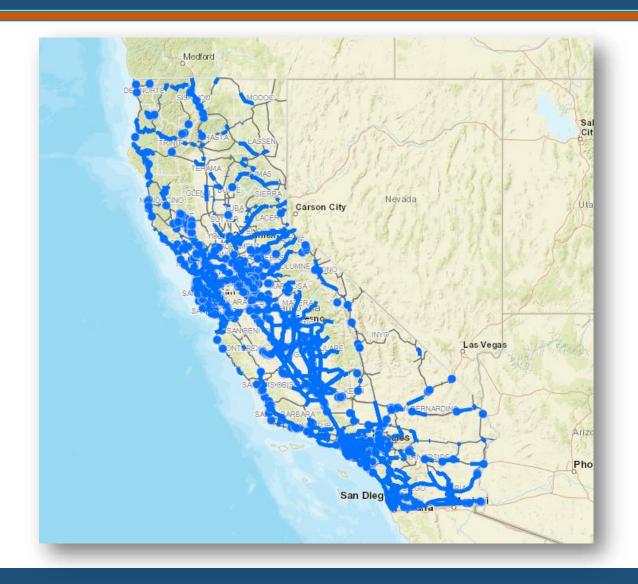
#### 2020 SHOPP – Primary Asset Classes

The 2020 SHOPP will deliver condition improvements across the four primary asset classes aligned with state and federal mandated performance targets. Notably, these projects will address:

- **5,538** lane miles of fair and poor condition pavement
- Fair and poor condition bridges representing 7.5M square feet of deck area, of which 220 bridges are anticipated to be "fixed" (as defined by Senate Bill 1)
- **4,055** fair and poor culverts comprised of **375,840** linear feet
- 3,488 poor condition Transportation Management Systems elements



#### 2020 SHOPP – Geographic Distribution



The 2020 SHOPP includes work across all 12 Caltrans Districts based on asset needs developed in the State Highway System Management Plan. Projects may include work carried out across a continuous segment or corridor of highway (e.g., pavement), or can be comprised of spot location work throughout a county or region (e.g., sign panel upgrades).

# 2020 SHOPP – Complete Streets

With the 2020 SHOPP, Caltrans strengthens its commitment to integrate bicycle, pedestrian, and transit improvements on the transportation network.

- 41% of all 2020 SHOPP projects include one or more complete streets features.
- Of the 134 safety projects, nearly half (48%) include complete streets features.
- The number of projects that include complete streets work in new 2020 SHOPP projects (45%) has increased in comparison to carryover projects from the 2018 and earlier SHOPP cycles (39%).



# 2020 SHOPP Project Example

Dist-Co-Rte Post Mile PPNO Project ID	Lo	cation/De	escription	E. Prog		apital	Supp		COS Allocatio FY		stones
04-Alameda-61 14.8/19.8 2027G 0419000042	and Alan Street) to	neda, from Encinal Av	eandro, Oaklan Route 112 (Dav enue. ent, upgrade		17740 Hitai	: \$200 : \$16,345		\$2,032 \$89	20-21 21-22 21-22 23-24	PA&ED: R/W Cert: RTL: Begin Con:	1/2/2024 1/16/2024
New	guardrail systems,	, rehabilitat and upgrad ns with Disa	te drainage de facilities to bilities Act (ADA	J	Subtotal: Total Proje			\$6,248 <b>\$22,793</b>			
					Performance			avemen ane mile		ilitation (CAF	PM)
Primary Asset	70 N	282	121 122	5 800	9000000						
	Good	<u>Fair</u>	Poor G	vantity	<u>Unit</u>						
Existing Condition	1.8	16.6	0.0	18.4	Lane mile(s)						

### 2020 SHOPP Timeline

Date	Action
January 2020	Project list posted for RTPA/MPO Comments
January 2020	CTC Presentation of the 2020 SHOPP
January 31, 2020	HQ Programming submits the 2020 SHOPP to Commission.
March 2020	Southern and Northern California SHOPP Hearings
May 2020	Commission adopts the 2020 SHOPP
May 2020	2020 SHOPP document available
July 1, 2020	2020 SHOPP document is live

#### Thank You!